

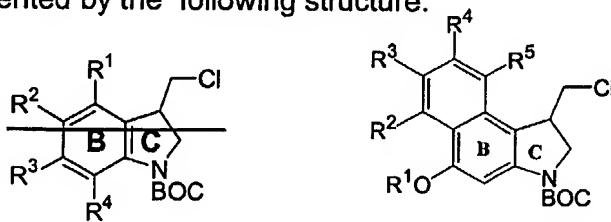
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of claims

TSRI 626.1 Div I
SN 10/001,611

APPENDIX II

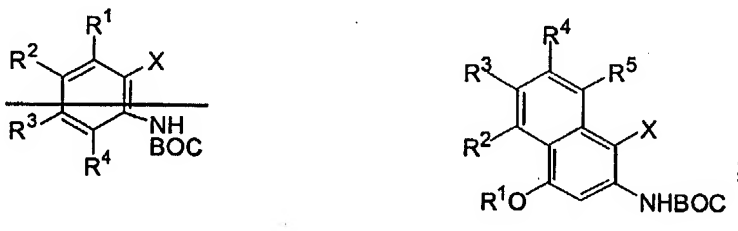
RESTATEMENT OF ALL CLAIMS WITH MARKINGS TO SHOW CHANGES MADE TO PRESENTLY AMENDED CLAIMS

1. (presently amended) A process for synthesizing a dihydroindole C-ring of a CC-1065/duocarmycin analog, the dihydroindole C-ring of a CC-1065/duocarmycin analog being represented by the following structure:



the process comprising the following steps:

10 Step A: allylating an ortho-haloaniline ortho-halo-2-aminonaphthalene with 1,3-dichloropropene for forming a vinyl chloride, the ortho-haloaniline ortho-halo-2-aminonaphthalene being represented by the following structure:



wherein:

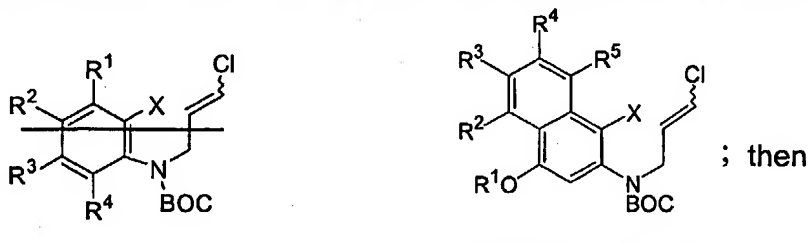
20 R¹ is a hydroxyl protecting group; and

R², R³, and R⁴, and R⁵ are radicals independently selected from the group consisting of hydrogen, alkyl(C1-C6), alkoxy, cyano, and arylalkoxy; with a proviso that R¹ and R², or R² and R³ may form a fused 5- or 6-membered ring with or without a heteroatom; and

25 X is a halide selected from the group consisting of bromine and iodine; and the vinyl chloride is represented by the following structure:

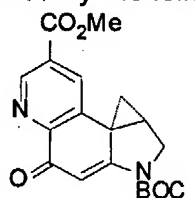
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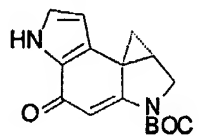


Step B: cyclizing the vinyl chloride of said step A for forming the dihydroindole C-ring of the CC-1065 /duocarmycin analog.

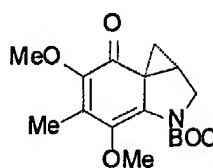
2. (withdrawn) A compound represented by the following structure:



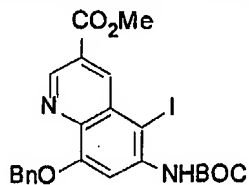
3. (withdrawn) A compound represented by the following structure:



4. (withdrawn) A compound represented by the following structure:



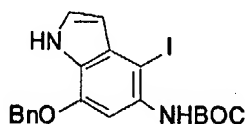
5. (withdrawn) A compound represented by the following structure:



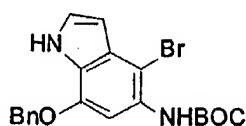
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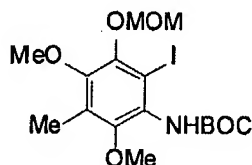
6. (withdrawn) A compound represented by the following structure:



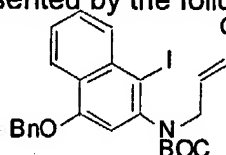
7. (withdrawn) A compound represented by the following structure:



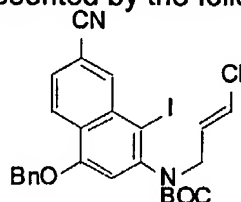
8. (withdrawn) A compound represented by the following structure:



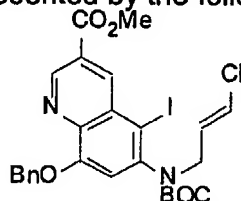
9. (withdrawn) A compound represented by the following structure:



10. (withdrawn) A compound represented by the following structure:



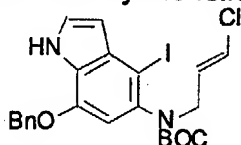
11. (withdrawn) A compound represented by the following structure:



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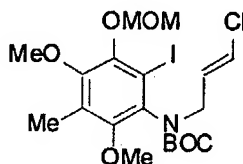
12. (withdrawn) A compound represented by the following structure:



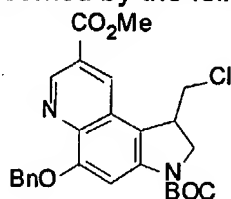
13. (withdrawn) A compound represented by the following structure:



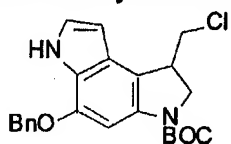
14. (withdrawn) A compound represented by the following structure:



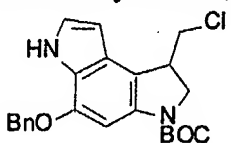
15. (withdrawn) A compound represented by the following structure:



16. (withdrawn) A compound represented by the following structure:



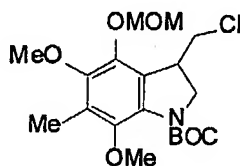
17. (withdrawn) A compound represented by the following structure:



18. (withdrawn) A compound represented by the following structure:

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5 19. (presently amended) A process according to claim 1 wherein, in said Step A, the ~~ortho-haloaniline~~ ortho-halo-2-aminonaphthalene is an ~~ortho-bromoaniline~~ ortho-bromo-2-aminonaphthalene.

10 20. (presently amended) A process according to claim 1 wherein, in said Step A, the ~~ortho-haloaniline~~ ortho-halo-2-aminonaphthalene is an ~~ortho-iodoaniline~~ ortho-iodo-2-aminonaphthalene.

15 21. (cancelled) A process according to claim 1 wherein, in said Step A, the *ortho*-haloaniline is protected with a BOC group.

22. (previously added) A process according to claim 1 wherein, in said Step A, said allylation is catalyzed by the addition of a catalytic amount of tetra-*n*-butylammonium iodide.

20 23. (previously added) A process according to claim 1 wherein, in said Step B, said cyclization is performed with an addition of tri-*n*-butyltin hydride.

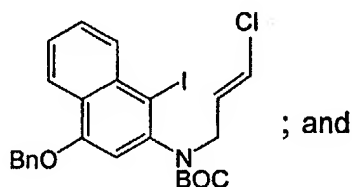
24. (previously added) A process according to claim 23 wherein, in said Step B, said cyclization is catalyzed by the addition of a catalytic amount of AIBN.

25 25. (previously added) A process according to claim 24 wherein, in said Step B, said cyclization is performed using toluene as the solvent.

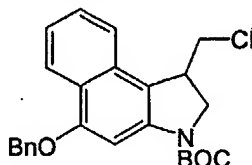
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26. (previously added) A process according to claim 1 wherein, in said Step A, the vinyl chloride is represented by the following structure:

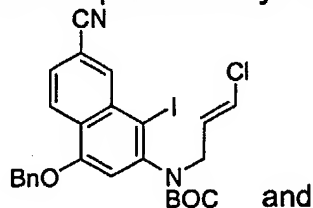


in said Step B, the dihydroindole C-ring of the CC-1065/duocarmycin analog is represented by the following structure:

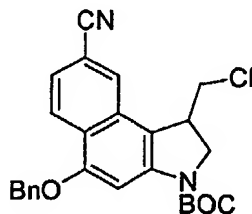


27. (previously added) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

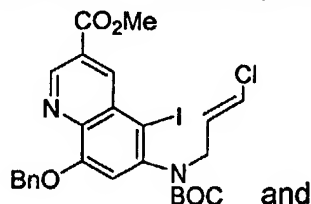


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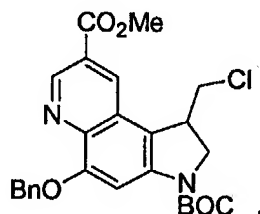
RESTATEMENT OF ALL CLAIMS WITH MARKINGS TO SHOW CHANGES MADE TO PRESENTLY AMENDED CLAIMS

28. (cancelled) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:

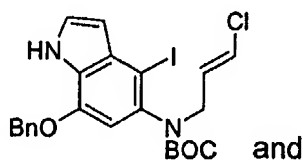


in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

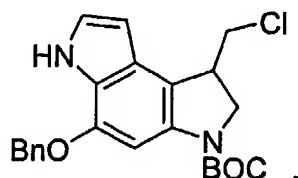


29. (cancelled) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

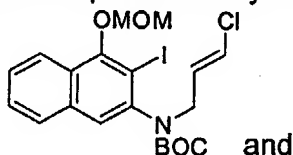


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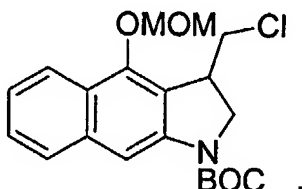
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30. (cancelled) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:

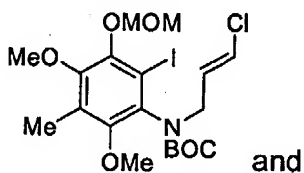


in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

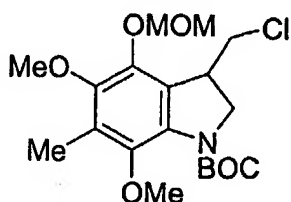


31. (cancelled) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



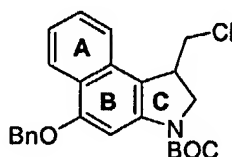
in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:



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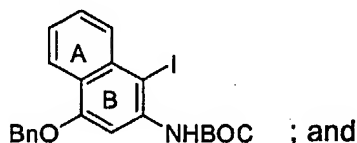
RESTATEMENT OF ALL CLAIMS WITH MARKINGS TO SHOW CHANGES MADE TO PRESENTLY AMENDED CLAIMS

32. (previously added) A process for synthesizing a dihydroindole C-ring of a CC-1065/duocarmycin analog, the dihydroindole C-ring of a CC-1065/duocarmycin analog being represented by the following structure:

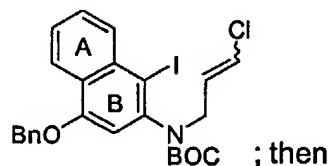


the process comprising the following steps:

Step A: allylating an *ortho*-haloaniline with 1,3-dichloropropene for forming a vinyl chloride, the *ortho*-haloaniline being represented by the following structure:



the vinyl chloride being represented by the following structure:



Step B: cyclizing the vinyl chloride of said step A for forming the dihydroindole C-ring of the CC-1065 / duocarmycin analog.